

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2063_01_s _ 2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	57
LM End	10.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.478683 °	37.390488 °	
			-121.044650 °	-120.941262 °	
DWR ID	DWR_RD2063_01_s _ 2017_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	58
LM End	10.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.478683 °	37.390488 °	
			-121.044650 °	-120.941262 °	
DWR ID	DWR_RD2063_01_s _ 2017_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °
				-121.032670 °	-121.032670 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50218 DS_ID:22076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: Gravity drain structure. Two 48-inch CM pipes through the levee 25.5 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates on the waterward ends. Cobble spillway 70 feet in length to river. (Lateral Drain No. 5) installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/5/2013					

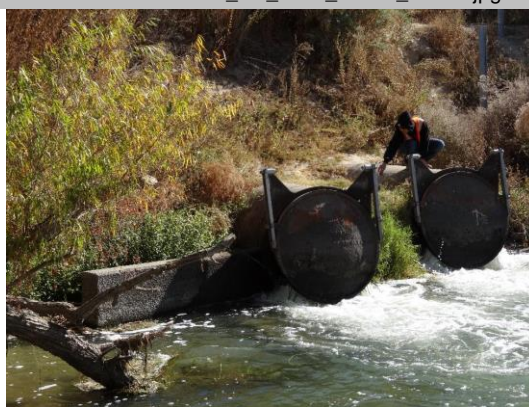
LM Start	1.32	Rating **	A/W	Issue No.	62 (cont)
LM End	1.32	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_50218_43204.jpg



WS view: two outfall CMP pipes on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50218_43203.jpg



WS view: two outfall CMP pipes with flap gates on concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62 (cont)	
LM End	1.32	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °	
				-121.032670 °	-121.032670 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50218 DS_ID:22076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: Gravity drain structure. Two 48-inch CM pipes through the levee 25.5 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates on the waterward ends. Cobble spillway 70 feet in length to river. (Lateral Drain No. 5) installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2017_50218_43202.jpg



WS view: two slide gates in CMP risers on levee slope.

LM Start	1.32	Rating **	A/W	Issue No.	63
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °
				-121.032664 °	-121.032664 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50217					
DS_ID:22119					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 2 of 2: Gravity drain structure. Two 48-inch CM pipes through the levee 25.5 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates on the waterward ends. Cobble spillway 70 feet in length to river. (Lateral Drain No. 5) installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_50217_43217.jpg



WS view: two CMP risers with slide gates on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	63 (cont)
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °
				-121.032664 °	-121.032664 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50217
DS_ID:22119
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 2 of 2: Gravity drain structure. Two 48-inch CM pipes through the levee 25.5 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates on the waterward ends. Cobble spillway 70 feet in length to river. (Lateral Drain No. 5) installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.
FS Date: 11/5/2013

LM Start	1.32	Rating **	A/W	Issue No.	63 (cont)
LM End	1.32	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_50217_43216.jpg



WS view: two CMP outfall pipes with flap gates on levee slope.

Photo 3 of 3 : UCIP_SP_2017_50217_43215.jpg



WS view: front view of two CMP outfall pipes with flap gates on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	1.71	Rating **	A/W	Issue No.	11
LM End	1.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.459209 °	37.458964 °
				-121.033126 °	-121.033420 °
DWR ID	DWR_RD2063_01_s_2012_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted on landward slope.					

Photo 1 of 2 : SP_2017_RD2063_112_11_20170411_00004.jpg



Looking at several rodent holes on landward slope.

LM Start	1.71	Rating **	A/W	Issue No.	11 (cont)
LM End	1.74	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2063_112_11_20170411_00005.jpg



Looking at close-up view of rodent hole on landward slope.

LM Start	1.83	Rating **	M	Issue No.	59
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.457653 °	37.456258 °
				-121.033728 °	-121.033645 °
DWR ID	DWR_RD2063_01_s_2017_59				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor erosion at waterward toe.					

Photo 1 of 2 : SP_2017_RD2063_112_59_20170411_00121.jpg



Looking downstream at minor erosion on waterward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	1.83	Rating **	M	Issue No.	59 (cont)	
LM End	1.93	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.457653 °	37.456258 °	
				-121.033728 °	-121.033645 °	
DWR ID	DWR_RD2063_01_s_2017_59					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Minor erosion at waterward toe.						

Photo 2 of 2 : SP_2017_RD2063_112_59_20170411_00122.jpg



Looking upstream at minor erosion on waterward slope.

LM Start	2.01	Rating **	A/W	Issue No.	46
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.455136 °	37.455136 °
				-121.032912 °	-121.032912 °
DWR ID	DWR_RD2063_01_f_2016_46				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Three large rodent holes on landward slope.					

Photo 1 of 2 : SP_2017_RD2063_112_46_20170411_00013.jpg



Looking at close-up view of rodent hole with corn husk at the entrance of the hole.

LM Start	2.01	Rating **	A/W	Issue No.	46 (cont)
LM End	2.01	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2063_112_46_20170411_00014.jpg



Looking at large rodent hole on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.27	Rating **	A/W	Issue No.	65
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.451946 °	37.451946 °
				-121.030672 °	-121.030672 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51823					
DS_ID:22081					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe.					
FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on waterward end. Slide gate in distribution box on landward end. Concrete "U" headwall on the waterward end.					
O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_51823_43348.jpg



WS view: concrete standpipe on levee toe.

LM Start	2.27	Rating **	A/W	Issue No.	65 (cont)
LM End	2.27	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_51823_43347.jpg



LS view: concrete distribution box and temporary walkway on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.27	Rating **	A/W	Issue No.	65 (cont)
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.451946 °	37.451946 °
				-121.030672 °	-121.030672 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51823					
DS_ID:22081					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe.					
FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on waterward end. Slide gate in distribution box on landward end. Concrete "U" headwall on the waterward end.					
O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/5/2013					

Photo 3 of 3 : UCIP_SP_2017_51823_43346.jpg



LS view: slide gate in concrete distribution box.

LM Start	2.34	Rating **	A/W	Issue No.	47
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.451394 °	37.451064 °
				-121.029426 °	-121.029072 °
DWR ID	DWR_RD2063_01_f_2016_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on landward slope.					

Photo 1 of 3 : SP_2017_RD2063_112_47_20170411_00015.jpg



Looking at close-up view of rodent hole with corn and corn husk at the entrance of hole.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.34	Rating **	A/W	Issue No.	47 (cont)	
LM End	2.37	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.451394 °		37.451064 °
				-121.029426 °		-121.029072 °
DWR ID	DWR_RD2063_01_f_2016_47					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Large rodent holes on landward slope.						

Photo 2 of 3 : SP_2017_RD2063_112_47_20170411_00016.jpg



Looking northwest at rodent hole on landward slope.

LM Start	2.34	Rating **	A/W	Issue No.	47 (cont)
LM End	2.37	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2017_RD2063_112_47_20170411_00017.jpg



Looking west at rodent hole on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.62	Rating **	M	Issue No.	68
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24435					
DS_ID:22086					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/5/2013					

LM Start	2.62	Rating **	M	Issue No.	68 (cont)
LM End	2.62	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24435_43484.jpg



WS view: U shaped headwall outlet structure 70 ft off the levee center.

Photo 2 of 3 : UCIP_SP_2017_24435_43483.jpg



WS view: U shaped headwall outlet structure and pipe with flap gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.62	Rating **	M	Issue No.	68 (cont)	
LM End	2.62	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °	
				-121.026521 °	-121.026521 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24435						
DS_ID:22086						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed.						
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2017_24435_43482.jpg



LS view: concrete headwall with CMP 70 ft off the levee center.

LM Start	2.68	Rating **	A/W	Issue No.	69
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25023 DS_ID:22087 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Both pipe ends about 85 feet off the levee center. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 20.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_25023_45102.jpg



WS view: U typed concrete headwall on river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.68	Rating **	A/W	Issue No.	69 (cont)
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25023 DS_ID:22087 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Both pipe ends about 85 feet off the levee center. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 20.3 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/5/2013					

Photo 2 of 3 : UCIP_SP_2017_25023_45101.jpg



WS view: pipe, flap gate, and concrete headwall on river bank.

LM Start	2.68	Rating **	A/W	Issue No.	69 (cont)
LM End	2.68	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_25023_45100.jpg



LS view: pipe and concrete headwall off the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.74	Rating **	M	Issue No.	60
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.446643 °	37.446643 °
				-121.025655 °	-121.025655 °
DWR ID	DWR_RD2063_01_s_2017_60				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2063_112_60_20170411_00123.jpg



Looking at typical rodent hole on landward shoulder.

LM Start	2.93	Rating **	M	Issue No.	70
LM End	2.93	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24443 DS_ID:22088 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - clear and clean debris FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the levee 9.5 feet below the crown. Flap gate on the waterward end. Pipe open on landward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961 FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_24443_43522.jpg



WS view: U typed concrete headwall on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	2.93	Rating **	M	Issue No.	70 (cont)	
LM End	2.93	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °	
				-121.025775 °	-121.025775 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24443						
DS_ID:22088						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - clear and clean debris						
FIELD_STRUCT_DESC: Abandoned 24-inch CM pipe through the						
levee 9.5 feet below the crown. Flap gate on the waterward end. Pipe						
open on landward end. Concrete headwall on both ends. O&M Manual						
SJR 006, Sept. 1961						
FS Date: 11/5/2013						

LM Start	2.93	Rating **	M	Issue No.	70 (cont)
LM End	2.93	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_24443_43521.jpg



WS view: pipe, flap gate, and concrete headwall with debris blocking the outlet.

Photo 3 of 3 : UCIP_SP_2017_24443_43520.jpg



WS view: pipe, flap concrete headwall with soil debris blocking the inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.23	Rating **	M	Issue No.	48
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.441956 °	37.441956 °
				-121.021765 °	-121.021765 °
DWR ID	DWR_RD2063_01_f_2016_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.29	Rating **	M	Issue No.	71
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °
				-121.021130 °	-121.021130 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24469					
DS_ID:22089					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - cleaning required in inlet pipe.- new flap gate					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.5 feet					
below the crown. Flap gate on the waterward end. Concrete headwall					
on both ends. O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_24469_43645.jpg



WS view: U typed concrete headwall on levee toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.29	Rating **	M	Issue No.	71 (cont)
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °
				-121.021130 °	-121.021130 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24469
DS_ID:22089
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - cleaning required in inlet pipe.- new flap gate
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwall on both ends. O&M Manual SJR 006, Sept. 1961.
FS Date: 11/5/2013

LM Start	3.29	Rating **	M	Issue No.	71 (cont)
LM End	3.29	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_24469_43644.jpg



WS view: new flap gate, and U typed concrete headwall.

Photo 3 of 3 : UCIP_SP_2017_24469_43643.jpg



LS view: CM pipe and concrete headwall on levee slope. Debris blocking inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.49	Rating **	A/W	Issue No.	53
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.438697 °	37.438697 °
				-121.019232 °	-121.019232 °
DWR ID	DWR_RD2063_01_f_2014_53				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.64	Rating **	M	Issue No.	72
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24485 DS_ID:22093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate and concrete saddle on the waterward end. Concrete drop inlet box on landward side. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_24485_43667.jpg



WS view: pipe, flap gate, and concrete saddle on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	72 (cont)	
LM End	3.64	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °	
				-121.017826 °	-121.017826 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24485						
DS_ID:22093						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed.						
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate and concrete saddle on the waterward end. Concrete drop inlet box on landward side. Installed by USCE 1961.						
O&M Manual SJR 006, Sept. 1961.						
FS Date: 11/5/2013						

Photo 2 of 3 : UCIP_SP_2017_24485_43666.jpg



LS view: concrete drop inlet box on levee toe.

LM Start	3.64	Rating **	M	Issue No.	72 (cont)
LM End	3.64	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_24485_43665.jpg



LS view: inside view of inlet box on levee toe. Debris blocking inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	29
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.436421 °	37.435767 °
				-121.017321 °	-121.016119 °
DWR ID	DWR_RD2063_01_s_2012_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes on landward shoulder and slope.					

Photo 1 of 2 : SP_2017_RD2063_112_29_20170411_00009.jpg



Looking east at typical rodent hole on landward shoulder.

LM Start	3.68	Rating **	M	Issue No.	29 (cont)
LM End	3.76	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2063_112_29_20170411_00010.jpg



Looking south at typical rodent hole on landward shoulder.

LM Start	3.89	Rating **	M	Issue No.	2
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.434506 °	37.433441 °
				-121.014394 °	-121.013633 °
DWR ID	DWR_RD2063_01_s_2016_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove dense veg on landward berm.					

Photo 1 of 2 : SP_2017_RD2063_112_2_20170411_00001.jpg



Looking north at dense veg at landward toe and berm.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	3.89	Rating **	M	Issue No.	2 (cont)	
LM End	3.97	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.434506 °		37.433441 °
				-121.014394 °		-121.013633 °
DWR ID	DWR_RD2063_01_s_2016_2					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Remove dense veg on landward berm.						

Photo 2 of 2 : SP_2017_RD2063_112_2_20170411_00002.jpg



Looking south at dense veg at landward toe and berm.

LM Start	4.02	Rating **	A/W	Issue No.	73
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51821 DS_ID:22096 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterwad end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961 FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2017_51821_43842.jpg



WS view: pipe, flap gate, and concrete headwall on drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.02	Rating **	A/W	Issue No.	73 (cont)	
LM End	4.02	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °	
				-121.013419 °	-121.013419 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51821 DS_ID:22096 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 12.0 feet below the crown. Flap gate on the waterwad end. Concrete headwall on both ends. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961 FS Date: 11/5/2013						

LM Start	4.02	Rating **	A/W	Issue No.	73 (cont)
LM End	4.02	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_51821_43841.jpg



LS view: CM pipe and concrete headwall on levee toe.

Photo 3 of 3 : UCIP_SP_2017_51821_43840.jpg



LS view: inside view of the CM pipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	76
LM End	4.17	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °
				-121.011843 °	-121.011843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24603					
DS_ID:22100					
EP_NO: 6721					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse.					
FIELD_STRUCT_DESC: 1 of 3: A 18-inch and 20 steel pipes through the levee 2.0 feet below the crown. Pumphouse and timber walkway on the landward side. 16-inch steel pipe through the levee 3.6 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_24603_43860.jpg



LS view: walkway to pump, pump house (right), and pipes on levee

LM Start	4.17	Rating **	A/W	Issue No.	76 (cont)
LM End	4.17	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_24603_43862.jpg



LS view: pipes (18" pipe - left, 20" pipe- right) under walkway and pump house on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	76 (cont)	
LM End	4.17	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °	
				-121.011843 °	-121.011843 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24603						
DS_ID:22100						
EP_NO: 6721						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse.						
FIELD_STRUCT_DESC: 1 of 3: A 18-inch and 20 steel pipes through the levee 2.0 feet below the crown. Pumphouse and timber walkway on the landward side. 16-inch steel pipe through the levee 3.6 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961.						
FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2017_24603_43861.jpg



LS view: intake sump under pump house, and pipes in drainage ditch.

LM Start	4.17	Rating **	A/W	Issue No.	77
LM End	4.17	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431003 °	37.431003 °
				-121.011834 °	-121.011834 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25026 DS_ID:22120 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: New intake pipe to pump.Pump house on concrete sump in drainage ditch. FIELD_STRUCT_DESC: 2 of 3: A 20-inch and 18-inch steel pipes through the levee 2.0 feet below the crown. Pumphouse and timber walkway on the landward side. 16-inch steel pipe through the levee 3.6 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_25026_45115.jpg



WS view: air vents (red) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	77 (cont)
LM End	4.17	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431003 °	37.431003 °
				-121.011834 °	-121.011834 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25026 DS_ID:22120 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: New intake pipe to pump.Pump house on concrete sump in drainage ditch. FIELD_STRUCT_DESC: 2 of 3: A 20-inch and 18-inch steel pipes through the levee 2.0 feet below the crown. Pumphouse and timber walkway on the landward side. 16-inch steel pipe through the levee 3.6 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

LM Start	4.17	Rating **	A/W	Issue No.	77 (cont)
LM End	4.17	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_25026_45114.jpg



WS view: discharge pipes end on levee toe. No flap gates on right 3 pipes.

Photo 3 of 3 : UCIP_SP_2017_25026_45117.jpg



LS view: 18" steel pipe (left) and 20" steel pipe (right) under walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	78
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °
				-121.011814 °	-121.011814 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:25027
DS_ID:22121
EP_NO: 6721
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: - new intake pipe to the pump.- overhead power line.
FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe through the levee 3.6 feet below the crown. Pumphouse and timber walkway on the landward side. A 18-inch and 20 steel pipes through the levee 2.0 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961.
FS Date: 11/6/2013

LM Start	4.18	Rating **	A/W	Issue No.	78 (cont)
LM End	4.18	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_25027_45120.jpg



LS view: walkway to pump and pump house on levee slope.

Photo 2 of 3 : UCIP_SP_2017_25027_45119.jpg



LS view: walkway to pump and pipe (right) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	78 (cont)
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °
				-121.011814 °	-121.011814 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25027 DS_ID:22121 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - new intake pipe to the pump.- overhead power line. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe through the levee 3.6 feet below the crown. Pumphouse and timber walkway on the landward side. A 18-inch and 20 steel pipes through the levee 2.0 feet below the crown. (App. No. 6721 and A). O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_SP_2017_25027_45118.jpg



LS view: intake pipes and pump house on concrete sump in drainage ditch.

LM Start	4.58	Rating **	M	Issue No.	3
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.429513 °	37.429513 °
				-121.005653 °	-121.005653 °
DWR ID	DWR_RD2063_01_s_2016_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	4.64	Rating **	A/W	Issue No.	20
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.429892 °	37.429892 °
				-121.004768 °	-121.004768 °
DWR ID	DWR_RD2063_01_s _ 2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree has been corrected and comply to standard.					

No Photos

LM Start	5.12	Rating **	A/W	Issue No.	38
LM End	5.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.426220 °	37.426220 °
				-120.999544 °	-120.999544 °
DWR ID	DWR_RD2063_01_s __ 2016_38				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.94	Rating **	C	Issue No.	50
LM End	5.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.416338 °	37.416338 °
				-120.997517 °	-120.997517 °
DWR ID	DWR_RD2063_01_s _ 2016_50				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	6.21	Rating **	A/W	Issue No.	40
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.414110 °	37.414110 °
				-121.001408 °	-121.001408 °
DWR ID	DWR_RD2063_01_s _ 2015_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.21	Rating **	C	Issue No.	51
LM End	6.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.414062 °	37.414062 °
				-121.001458 °	-121.001458 °
DWR ID	DWR_RD2063_01_s _ 2016_51				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage pile in channel and waterward berm.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	7.48	Rating **	A/W	Issue No.	84
LM End	7.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.404195 °	37.404195 °
				-120.986709 °	-120.986709 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24632
DS_ID:22110
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: No pipe visible on landside. Flap gate not found on the waterside end. Concrete "U" headwalls not found on ends of pipe.
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee 25.5 feet below the crown. Slide gate in CM pipe riser on the waterward slope.
Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.
FS Date: 11/6/2013

LM Start	7.48	Rating **	A/W	Issue No.	84 (cont)
LM End	7.48	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_24632_43953.jpg



WS view: CMP riser on levee slope. No pipe visible on levee slope.

Photo 2 of 3 : UCIP_SP_2017_24632_43952.jpg



WS view: slide gate in CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	7.48	Rating **	A/W	Issue No.	84 (cont)
LM End	7.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.404195 °	37.404195 °
				-120.986709 °	-120.986709 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24632					
DS_ID:22110					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: No pipe visible on landside.Flap gate not found on the waterside end. Concrete "U" headwalls not found on ends of pipe.					
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee 25.5 feet below the crown. Slide gate in CM pipe riser on the waterward slope.					
Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.					
FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_SP_2017_24632_43951.jpg



LS view: concrete distribution box on levee toe. Pump on the box discharges water into irrigation ditch.

LM Start	7.50	Rating **	M	Issue No.	85
LM End	7.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.404130 °	37.404130 °
				-120.986454 °	-120.986454 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25031 DS_ID:22111 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side.Looks abandoned. FIELD_STRUCT_DESC: Abandoned 12-inch steel pipe encased in concrete 7.0 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Steel pipe opens on both sides of the levee. Installed by USCE1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_25031_45141.jpg



WS view: CMP riser with slide gate. Missing slide gate handwheel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	7.50	Rating **	M	Issue No.	85 (cont)	
LM End	7.50	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.404130 °		37.404130 °
				-120.986454 °		-120.986454 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25031 DS_ID:22111 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side.Looks abandoned. FIELD_STRUCT_DESC: Abandoned 12-inch steel pipe encased in concrete 7.0 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Steel pipe opens on both sides of the levee. Installed by USCE1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013						

LM Start	7.50	Rating **	M	Issue No.	85 (cont)
LM End	7.50	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_25031_45140.jpg



WS view: steel pipe with open-end on waterside slope.

Photo 3 of 3 : UCIP_SP_2017_25031_45139.jpg



LS view: open-ended steel pipe on levee slope (bottom).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	7.56	Rating **	A/W	Issue No.	7
LM End	7.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.403516 °	37.403516 °
				-120.985718 °	-120.985718 °
DWR ID	DWR_RD2063_01_s_2012_7				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.74	Rating **	A/W	Issue No.	9
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.401774 °	37.401774 °
				-120.983132 °	-120.983132 °
DWR ID	DWR_RD2063_01_s_2012_9				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	86
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24651
DS_ID:22124
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - working during field inspection.- blocked siphon breaker.
FIELD_STRUCT_DESC: 1 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961.
FS Date: 11/6/2013

LM Start	8.46	Rating **	M	Issue No.	86 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24651_44005.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP_SP_2017_24651_44004.jpg



WS view: two flap gates on outfall pipe ends.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	86 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24651 DS_ID:22124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 1 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_SP_2017_24651_44003.jpg



LS view: pipes under walkway to pump house.

LM Start	8.46	Rating **	M	Issue No.	87
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24652 DS_ID:22112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_24652_44008.jpg



WS view: two siphon breakers in CMP risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	87 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24652 DS_ID:22112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch steel pipes through the levee 3.5 feet below the crown. Siphon breakers in CM pipe risers on the waterward slope. Flap gate on the waterward end of each pipe. Two pumps on timber pile structure on the landward side. Timber walkway from levee to pump structure. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_SP_2017_24652_44007.jpg



WS view: two flap gates on outfall pipe ends.

LM Start	8.46	Rating **	M	Issue No.	87 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_24652_44006.jpg



LS view: pipes under walkway to pump house.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	88 (cont)	
LM End	8.46	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °	
				-120.972332 °	-120.972332 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24650 DS_ID:22113 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Working during field inspection. FIELD_STRUCT_DESC: 1 of 2: Two 42-inch CM pipes through levee 18.0 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates, concrete saddle and apron on the waterside ends of pipes.Concrete headwall on landward end. Reclamation District No. 2063 Pumping Plant. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2017_24650_44000.jpg



LS view: drainage pipes under walkway in drainage ditch.

LM Start	8.46	Rating **	A/W	Issue No.	89
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397850 °	37.397850 °
				-120.972322 °	-120.972322 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24636 DS_ID:22125 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - working during field inspection. FIELD_STRUCT_DESC: 2 of 2: Two 42-inch CM pipes through levee 18.0 feet below the crown. Slide gates in CM pipe risers on the waterward slope. Flap gates, concrete saddle and apron on the waterward ends of pipes. Concrete headwall on landward end. Reclamation District No. 2063 Pumping Plant. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_24636_43965.jpg



WS view: two slide gates in CMP risers on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	89 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397850 °	37.397850 °
				-120.972322 °	-120.972322 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24636					
DS_ID:22125					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - working during field inspection.					
FIELD_STRUCT_DESC: 2 of 2: Two 42-inch CM pipes through levee					
18.0 feet below the crown. Slide gates in CM pipe risers on the					
waterward slope. Flap gates, concrete saddle and apron on the					
waterward ends of pipes. Concrete headwall on landward end.					
Reclamation District No. 2063 Pumping Plant. O&M Manual SJR 006,					
Sept. 1961.					
FS Date: 11/6/2013					

Photo 2 of 3 : UCIP_SP_2017_24636_43964.jpg



WS view: two flap gates on outfall pipe ends.

LM Start	8.46	Rating **	A/W	Issue No.	89 (cont)
LM End	8.46	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_24636_43963.jpg



LS view: drainage pipes under walkway in drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	9.05	Rating **	A/W	Issue No.	90
LM End	9.05	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390804 °	37.390804 °
				-120.966394 °	-120.966394 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24638
DS_ID:22114
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Flap gate and concrete "U" headwall not visible due to dense vegetation on waterside.
FIELD_STRUCT_DESC: 24-inch CM pipe through levee 12.0 feet below crown. Flap gate and concrete "U" headwall on waterward end. Grouted spillway 7 feet in length on waterward end. Slide gate on pipe end and concrete headwall on landside end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961.
FS Date: 11/6/2013

LM Start	9.05	Rating **	A/W	Issue No.	90 (cont)
LM End	9.05	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_24638_43967.jpg



WS view: concrete headwall on levee end. Slide gate on pipe end.

Photo 2 of 2 : UCIP_SP_2017_24638_43966.jpg



WS view: close view of slide gate on pipe end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	91
LM End	9.50	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °
				-120.958287 °	-120.958287 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51825 DS_ID:22115 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 5.6 feet below the crown. Flap gate and concrete "U" headwall on the waterward end. Concrete headwall on the landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 4/11/2017					

Photo 1 of 3 : UCIP_SP_2017_51825_77044.jpg



LS inlet as of 4/11/2017 levee inspection. Photo courtesy of DWR inspector Richard Willoughby.

LM Start	9.50	Rating **	A/W	Issue No.	91 (cont)
LM End	9.50	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_51825_43983.jpg



WS view: U type headwall and flap gate visible on the bank of the water channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	91 (cont)	
LM End	9.50	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390682 °		37.390682 °
				-120.958287 °		-120.958287 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51825 DS_ID:22115 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 5.6 feet below the crown. Flap gate and concrete "U" headwall on the waterward end. Concrete headwall on the landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 4/11/2017						

Photo 3 of 3 : UCIP_SP_2017_51825_43982.jpg



LS view: concrete headwall on levee end. Pipe opening blocked by plywood.

LM Start	9.94	Rating **	A/W	Issue No.	92
LM End	9.94	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390563 °	37.390563 °
				-120.950329 °	-120.950329 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - not very old structure. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee and across drain ditch on the waterward side 6.0 feet below the crown. Slide gate and concrete box on the waterside end. Concrete box on the landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2017_24644_43986.jpg



WS view: CM pipe on outlet concrete box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	9.94	Rating **	A/W	Issue No.	92 (cont)	
LM End	9.94	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.390563 °	37.390563 °	
				-120.950329 °	-120.950329 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - not very old structure. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee and across drain ditch on the waterward side 6.0 feet below the crown. Slide gate and concrete box on the waterside end. Concrete box on the landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013						

Photo 2 of 3 : UCIP_SP_2017_24644_43985.jpg



LS view: CM pipe with slide gate on inlet concrete box.

LM Start	9.94	Rating **	A/W	Issue No.	92 (cont)
LM End	9.94	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_24644_43984.jpg



LS view: inside view of slide gate in concrete box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/11/2017 04/11/2017	Richard Willoughby

LM Start	9.95	Rating **	M	Issue No.	93
LM End	9.95	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390572 °	37.390572 °
				-120.950156 °	-120.950156 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24645 DS_ID:22117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - waterside not accessible.- partially blocked inlet opening on landside. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee 4.6 feet below the crown. Flap gate and concrete "U" headwall on the waterward end. Concrete headwall on landward end. Installed by USCE 1961. O&M Manual SJR 006, Sept. 1961. FS Date: 11/6/2013					

Photo 1 of 2 : UCIP_SP_2017_24645_43988.jpg



WS view: concrete U type headwall on channel bank. Not accessible.

LM Start	9.95	Rating **	M	Issue No.	93 (cont)
LM End	9.95	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : UCIP_SP_2017_24645_43987.jpg



LS view: concrete headwall and partially blocked inlet opening.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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